IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

RADTKEY, Ray R. et al

Serial No.: 10/627,950

Filed: July 24, 2003

For: METHODS AND APPARATUS FOR SCREENING AND DETECTING MULTIPLE GENETIC MUTATIONS

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Missing Parts Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97–1.98, information relating to the above–identified application is hereby disclosed. The accompanying Form PTO/SB/08A provides a listing of documents that may be relevant to the subject application.

It is requested that the Examiner fully consider the art cited in the accompanying Form PTO/SB/08A, initial the left-most column of the form adjacent each cited reference, and return a copy for Applicants' records. It is further requested that the art be cited on the cover of any patent issuing from the subject application.

CERTIFICATE OF MAILING (37 C.F.R. §1.8a)

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Patent Attorney Docket 612,404-426 US 313C2

In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO/SB/08A are not enclosed herewith because they were previously cited by or submitted to the Patent and Trademark Office in prior copending or related applications for which a claim for priority under 35 U.S.C. §120 has been made in the instant application. Accordingly, Applicants will provide duplicate copies in respect of the present case only if the Examiner so desires.

This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made. Nor does this statement constitute an admission by Applicants or Applicants' agent that the information provided herein is necessarily prior art to Applicants' invention. Moreover, Applicants reserve the right to establish the patentability of the claimed invention over any of the listed documents should they be applied thereagainst as references. Please charge any deficiency or credit any overpayment to Deposit Account No. 50-2862.

Respectfully submitted,
O'MELVENY & MYERS LLP

Dated: February , 2004

By: Diane K. Wong

Reg. No. 54,550

Attorneys for Applicants

DKW/dnd

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red to respond to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of

& TRADEN Substitute for form 1449A/PTO Complete if Known **Application Number** 10/627,950 INFORMATION DISCLOSURE Filing Date July 24, 2003 STATEMENT BY APPLICANT Ray R. Radtkey et al. First Named Inventor Group Art Unit Not Yet Assigned (use as many sheets as necessary) Not Yet Assigned Examiner Name Sheet of Attorney Docket Number 612404-426

		U.S. PATENT D	OCUMENTS	
Examiner Initials *	U.S. Patent Document Kind Code ² Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	(if known) US-3,950,738	Hayeshi at al	04/13/76	
		Hayashi et al	+	
	US-3,995,190	Salgo	11/30/76	
	US-4,283,773	Daughton et al	08/11/81	
	US-4,563,419	Ranki et al	01/07/86	
	US-4,580,895	Patel	04/08/86	
	US-4,584,075	Goldstein et al	04/22/86	
	US-4,594,135	Goldstein	06/01/86	
	US-4,731,325	Palva et al	03/15/88	
	US-4,751,177	Stabinsky	06/14/88	
	US-4,787,963	MacConnell	11/29/88	
	US-4,807,161	Comfort et al	02/21/89	
	US-4,816,418	Mack et al	03/28/89	
	US-4,822,566	Newman	04/18/89	
	US-4,828,979	Klevan et al	05/09/89	
	US-4,883,750	Whiteley et al	11/01/89	
	US-4,908,112	Pace	03/13/90	
	US-4,988,617	Landegren et al	01/29/91	
	US-5,030,557	Hogan et al	07/09/91	
	US-5,063,081	Cozzette et al	11/05/91	
	US-5,074,977	Cheung et al	12/24/91	
	US-5,075,077	Durley III et al	12/24/91	
	US-5,096,669	Lauks et al	03/17/92	
	US-5,096,807	Leaback	03/17/92	
	US-5,114,674	Stanbro et al	05/19/92	
	US-5,125,748	Bjornson	06/30/92	
	US-5,126,022	Soane et al	06/30/92	
	US-5,143,854	Pirrung et al	09/01/92	
	US-5,164,319	Hafeman et al	11/17/92	
	US-5,166,063	Johnson	11/24/92	
	US-5,200,051	Cozzette et al	04/06/93	
	US-5,202,231	Drmanac et al	04/13/93	
	US-5,219,726	Evans	06/15/93	
	US-5,227,265	DeBoer et al	07/13/93	
	US-5,234,566	Osman et al	08/10/93	
	US-5,242,797	Hirschfeld	09/07/93	
	US-5,304,487	Wilding et al	04/19/94	
	US-5,312,527	Mikkelsen et al	05/17/94	
	US-5,433,819	McMeen	07/18/95	-
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	US-5,436,129	Stapleton	07/25/95	· · · · · · · · · · · · · · · · · · ·
	US-5,445,525	Broadbent et al	08/29/95	
	US-5,445,934	Fodor et al	08/29/95	
	US-5,464,517	Hjerten et al	11/07/95	
	US-5,468,646	Mattingly et al	11/21/95	
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			U.S. PATENT D	OCUMENTS	
Examiner Initials *	U.S. Patent Document Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-5,516,641	wn)	Ullman et al.	05/14/96	
	US-5,516,698		Begg et al	05/14/96	
	US-5,527,670		Stanley	06/18/96	
	US-5,552,270		Khrapko et al	09/03/96	
	US-5,573,907		Carrino et al	11/12/96	
	US-5,593,838		Zanzucchi et al	01/14/97	
	US-5,602,240		DeMesmaeker et al	02/11/97	
	US-5,605,662		· Heller et al	02/25/97	
	US-5,632,957		Heller et al	05/27/97	· · · · · · · · · · · · · · · · · · ·
	US-5,635,352		Urdea et al	06/03/97	
	US-5,653,939		Hollis et al	08/05/97	
• • • •	US-5,660,701		Grushka et al	08/26/97	
	US-5,681,751		Begg et al	10/28/97	
	US-5,750,015		Soane et al	05/12/98	
	US-5,766,960		Cornell et al	06/16/98	
	US-5,770,365		Lane et al	06/23/98	
	US-5,780,233		Guo et al	07/14/98	
	US-5,789,167		Konrad	08/04/98	
	US-5,795,714		Cantor et al	08/18/98	
	US-5,811,269		Nadeau et al	09/22/98	
	US-5,849,486		Heller et al	12/15/98	
	US-5,849,489		Heller et al	12/15/98	
	US-5,849,544		Harris et al	12/15/98	
	US-5,853,993	-	Dellinger et al	12/13/98	
	US-5,908,745		Mirzabekov et al	06/01/99	
	US-5,965,452		Kovacs	10/12/99	
	US-6,013,166		Heller	01/11/00	
	US-6,017,696		Heller	01/17/00	
			Heller et al	04/11/00	
	US-6,048,690		Sosnowski et al	04/11/00	
	US-6,051,380			04/18/00	
	US-6,054,270		Southern		
	US-6,068,818		Ackley et al	05/30/00	
	US-6,071,394		Cheng et al		
	US-6,099,803		Ackley et al Sheldon III et al	08/08/00	
	US-6,129,828				
	US-6,150,095	04	Southern et al	11/21/00	
	US-6,207,373	<u>B1</u>	Sosnowski et al	03/27/01	
	US-6,306,348	B1	Havens et al	10/23/01	
	US-6,309,602	B1	Ackley et al	10/30/01	·
	US-6,403,367	B1	Cheng et al	06/11/02	
<u>.</u>	US-6,458,584	B1	Mirzabekov et al	10/01/02	

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				FOREIGN PATEN	IT DOCUMENTS		
Examiner Initials*	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
	EP	0228075	B1	Dattagupta et al	04/03/91		
	EP	0320308	B1	Backman et al	11/03/93		
	GB	2247889	Α	Stanley	03/18/92		
	wo	86/03782	A1	Malcolm et al	07/03/86		
	wo	90/01564	A1	Adams et al	02/22/90		
	wo	96/15271	A1	Carrino	05/23/96		
	wo	00/58522	A1	Giles et al	10/15/00		
	wo	00/61803	A1	Radtkey et al	10/19/00		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	AAAC, "Hemochromotosis More Prevalent Than Previously Believed", Clinical Laboratory News, 1999, vol. 25, no. 2.	
	ABRAMS et al., "Comprehensive Detection Of Single Base Changes In Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis & GC Clamp", Genomics, August 1990, 463-475, vol. 7, no. 4.	
	ANAND et al., "Pulsed Field Gel Electrophoresis", <u>Gel Electrophoresis of Nucleic Acids – A Practical Approach</u> , 1990, 101-123, Eds. D. Rickwood & B.D. Hames (New York: IRL Press).	
	ANDERSON et al, "Quantitative Filter Hybridization", <u>Nucleic Acid Hybridization-A Practical Approach</u> , 1985, 73-111, Eds. B.D.Hames & S.J.Higgins (Washington, D.C.:IRL Press)	
	BAINS, Setting A Sequence To Sequence A Sequence, Bio/Technology, 1992, 757-758, vol. 10.	
	BARINAGA, "Will 'DNA Chip' Speed Genome Initiative?", Science, 1991, 1489, vol. 253.	
	BEATTIE et al, "Genosensor Technology", The 1992 San Diego Conference: Genetic Recognition, 11/92, 1-5.	
	BELTZ et al, "Isolation Of Multigene Families & Determination Of Homologies By Filter Hybridization Methods", Methods In Enzymology, 1983, 266-285, vol. 100.	
	BERTINA, "Mutation In Blood Coagulation Factor V Associated With Resistance To Activated Protein C", Nature, 1994, 64-67, vol. 369.	
	BROUDE, N.E., et al. "Enhanced DNA Sequencing by Hybridization." Proc. Natl. Acad. Sci., 1994, 3072-3076, vol. 91.	
	BROWN et al, "Electrochemically Induced Adsorption Of Radio-Labelled DNA On Gold & HOPG Substrates For STM Investigations", Ultramicroscopy, 1991, 253-264, vol. 38.	
-	CONNER et al, "Detection Of Sickle Cell β^3 – Globin Allele by Hybridization With Synthetic Oligonucleotides", Proc.Natl.Acad.Sci.USA, 1983, 278-282, vol. 80.	

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Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume–issue number(s), publisher, city and/or country where published.	T²
	DAY, "Electrophoresis For Genotyping: Microtiter Array Diagonal Gel Electrophoresis On Horizontal Polyacrylamide Gels, Hydrolink, Agarose", Analytical Biochemistry, 1994, 389-395, vol. 222.	
	DRMANAC et al, "Sequencing Of Megabase Plus DNA By Hybridization: Theory of the Method", Genomics, 1989, 114-128, vol. 4.	
	DRMANAC et al, "DNA Sequence Determination By Hybridization: A Strategy For Efficient Large Scale Sequencing", Science, 1993, 1649-1652, vol. 260.	
,	DROBYSHEV et al., "Sequence Analysis By Hybridization With Oligonucleotide Microchip: Identification of ß-Thalassemia Mutations, Gene 1997, 45-52, 188.	
	DROBYSHEV et al, "Massive Parallel Analysis Of DNA-Hoeschst 33258 Binding Specificity with A Generic Oligodeoxyribonucleotide Microchip", Nucleic Acids Research, 1999, 4100-4105, vol. 27, no. 20.	
	EDMAN, C.F., et al. "Electric Field Directed Nucleic Acid Hybridization On Microchips." Nucleic Acids Research, 1997, 4907-4914, vol. 25, no. 24.	
	EGGERS et al, "Biochip Technology Development", BioChip Technology Development, Lincoln Laboratory Technical Report 901, 11/9/90.	
	FEDER, "The Hemochromatosis Founder Mutation In HLA-H Disrupts β2 Microglobulin Interaction & Cell Surface Expression", J. Biological Chemistry, 1997, 14025-14028, vol. 272, no. 22.	
	FIACCABRINO et al., "Array of Individually Addressable Microelectrodes", Sensors & Actuators B, 1994, 675-677, vol. 18-19.	
	FODOR et al, "Multiplexed Biochemical Assays with Biological Chips", Nature, 1993, 555-556, vol. 364.	
	FODOR et al, "Light Directed, Spatially Addressable Parallel Chemical Synthesis", Science, 1992, 767-773, vol. 251.	
	GILLS et al, "Single Nucleotide Polymorphic Discrimination By An Electronic Dot Blot Assay On Semiconductor Microchips", Nature Biotechnology, April 1999, 365-370, vol. 17.	
	GRYAZNOV et al, "Enhancement of Selectivity In Recognition Of Nucleic Acids Via Chemical Autoligation", Nucleic Acids Research, 1994, 2366-2369, vol. 22, no. 12 (University Press).	
	GUSCHIN et al., "Manual Manufacturing Of Oligonucleotide DNA, And Protein Microchips", Anal. Biochem., August 1, 1997, 203-211, vol. 250, no. 2.	
	HOLLAND, "Detection Of Specific Polymerase Chain Reaction Product By Utilizing The 5'→ 3' Exonuclease Activity of Thermus Aquaticus DNA Polymerase", Proc. Natl. Acad. Sci. USA, 1991, 7276-7280, vol. 88.	
•	HOREJSI, Some Theoretical Aspects of Affinity Electrophoresis", Journal Of Chromatography, 1979, 1-13, vol. 178.	
	HORESJI et al, "Determination Of Dissociation Constants Of Lectin Sugar Complexes By Means Of Affinity Electrophoresis", Biochimica at Biophysica Acta, 1977, 200-300, vol. 499.	
	HOWELL, "Dynamic Allele-Specific Hybridization: A New Method For Scoring Single Nucleotide Polymorphisms", Nature Biotechnology, 1999, 87, vol. 17.	
	KAKEROW et al, "A Monolithic Sensor Array Of Individually Addressable Microelectrodes", Sensors & Actuators A, 1994, 296-301, vol. 43.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	KHRAPKO, "An Oligonucleotide Hybridization Approach to DNA Sequencing" FEBS, 1989, 118-122, vol. 256 (182).	
	KHRAPKO et al., "A Method For DNA Sequencing By Hybridization With Oligonucleotide Matrix", DNA Seq., 1991, 375, vol. 1, no. 6.	
	KIELECZAWA, "DNA Sequencing By Primer Walking With Strings of Contiguous Hexamers", Science, 1992, 1787, vol. 258.	
	KOTLER, "DNA Sequencing: Modular Primers Assembled From A Library Of Hexamers Or Pentamers", Proc. Natl. Acad. Sci. USA, 1993, 4241-4245, vol. 90.	
	LANDEGREN, 'Reading Bits of Genetic Information: Methods For Single Nucleotide Polymorphism Analysis", Genome Research, 1998, 769-776, vol. 8.	
	MALDONADO-RODREQUEZ et al., "Hybridization of Glass-Tethered Oligonucleotide Probes to Target Strands Preannealed with Labeled Auxiliary Oligonucleotides", Mol. Biotechnol., 1999, 1-12, vol. 11, no. 1.	
	MALDONADO-RODREQUEZ et al., "Mutation Detection By Stacking Hybridization On Genosensor Arrays", Mol. Biotechnol., 1999, 13-25, vol. 11, no. 1.	
	MATHEWS et al, "Analytical Strategies For The Use Of DNA Probes", Analytical Biochemistry, 1988, 1-25, vol. 169.	
	MEADE et al, "Electron Transfer Through DNA: Site-Specific Modification of Duplex DNA With Ruthenium Donors & Acceptors", Angew. Chem. Int. Ed. Engl., 1995, 353-354, vol. 34, no. 3.	
-	NEWTON, "Analysis of Any Point Mutation in DNA. The Amplification Refractory Mutation System (ARMS)", 1989, Nucleic Acids Research, 1989, 2503, vol. 17, no. 7.	
	NORBERG, "Solvent Influence on Base Stacking", Biophysical Journal, 1998, 394-402, vol. 74.	
	ORITA, "Detection Of Polymorphisms Of Human DNA By Gel Electrophoresis As Single Strand Conformation Polymorphisms", Proc. Natl. Acad. Sci. USA, 1989, 2776-2770, vol. 86.	
	ORNSTEIN, "An Optimized Potential Function For The Calculation Of Nucleic Acid Interaction Energies. I. Base Stacking", Biopolymers, 1978, 2341-2360, vol. 17.	
	PALECEK, "New Trends In Electrochemical Analysis of Nucleic Acids", Bioelectrochemistry & Bioenergetics, 1988, 179-194, vol. 20.	
	PARINOV, "DNA Sequencing By Hybridization To Microchip Octa- and Decanucleotides Extended By Stacked Pentanucleotides", Nucleic Acids Research, 1996, 2998-3004, vol. 24, no. 15.	
	PATON, "Heterogeneity Of The Amino Acid Sequences Of Escherichica coli Shiga-like Toxin Type-I Operons, Gene, 1995, 71-74, vol. 153.	
	PIETERS, "Conformational & Thermodynamic Consequences Of The Introduction Of A Nick In Duplexed DNA Fragments: An NMR Study Augmented By Biochemical Experiments", Nucleic Acids Research, 1989, 4551, vol. 17, no. 12.	
	RANKI et al, "Sandwich Hybridization As A Convenient Method For The Detection Of Nucleic Acids In Crude Samples", Gene, 1983, 77-85, vol. 21.	
	SAIKI, "An Amplification of Genomic DNA", <u>PCR Protocols: A Guide To Methods & Applications</u> , 1990, 13-20, (Academic Press, Inc.)	

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	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume–issue number(s), publisher, city and/or country where published.					
	SINDEN, "Introduction To The Structure, Properties & Reactions of DNA", <u>DNA Structure & Function</u> , 1994, Chapter 1, (Academic Press).					
	SOSNOWSKI, "Rapid Determination of Single Base Mismatch Mutations In DNA Hybrids By Direct Electric Field Control", Proc. Natl. Acad. Sci. USA, 1997, 1119-1123, vol. 94.					
	SOUTHERN, "Analyzing & Comparing Nucleic Acid Sequences By Hybridization To Arrays Of Oligonucleotides: Evaluation Using Experimental Models", Genomics, 1992, 1008-1017, vol. 13.					
	SOUTHERN, "DNA Chips: Analysing Sequence By Hybridization To Oligonucleotides On A Large Scale", Trends In Genetics, March 1996, 110-115, vol. 12, no. 3.					
	STREZOSKA, "DNA Sequencing By Hybridization: 100 Bases Read By A Non-Gel Based Method", Proc. Natl. Acad. Sci. USA, 1991, 10089-10093, vol. 88.					
	SYVANEN et al, "Fast Quantification Of Nucleic Acid Hybrids By Affinity-Based Hybrid Collection", Nucleic Acids Research, 1986, 5037-5048, vol. 14, no. 12.					
	SYVANEN et al, "Quantification Of Polymerase Chain Reaction Products By Affinity Based Hybrid Collection", Nucleic Acids Research, 1988, 11327-11338, vol. 16, no. 23.					
	SYVANEN, "A Primer Guided Nucleotide Incorporation Assay In Genotyping Of Apolipoprotein E", Genomics, 1990, 684-692, vol. 8.					
	TYAGI, "Molecular Beacons: Probes That Fluoresce Upon Hybridization", Nature Biotechnology, 1996, 303, vol. 14.					
	WALLACE et al, "Hybridization Of Synthetic Oligodexribonucleotides To Φ x 174 DNA: The Effect Of Single Base Pair Mismatch", Nucleic Acids Research, 1979, 3543-3557, vol. 6.					
	WANG, "Large Scale Identification, Mapping & Genotyping Of Single Nucleotide Polymorphisms In The Human Genome, Science, 1998, 1077, vol. 280.					
	WASHIZU, "Electrostatic Manipulation of Biological Objects", Journal of Electrostatics, 1990, 109-123, vol. 25.					
	WASHIZU et al, "Electrostatic Manipulation Of DNA In Microfabricated Structures", IEEE Transactions On Industry Applications, 1990, 1165-1172, vol. 26.					
	WU, "Specificity Of The Nick-closing Activity Of Bateriophage T4 DNA Ligase", Gene, 1989, 245-254, vol. 76.					
	YERSHOV et al, "DNA Analysis & Diagnostics On Oligonucleotide Microchips", Proc. Natl. Acad. Sci. USA, May 1996, 4913-4918, vol. 93.					

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				Application Number	10/627,950
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			CLOSURE	Filing Date	July 24, 2003
			PPLICANT	First Named Inventor	Ray R. Radtkey et al.
•				Group Art Unit	Not Yet Assigned
(use as many sheets as necessary)			necessary)	Examiner Name	Not Yet Assigned
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